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### Search Results -

Terms	Documents
L11 and L7	75

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 JPO Abstracts Database  
 Derwent World Patents Index  
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Search:






### Search History

 DATE: Thursday, September 30, 2004    [Printable Copy](#)    [Create Case](#)

#### Set Name Query

side by side

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result set

DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L17</u>	L11 and L7	75	<u>L17</u>
<u>L16</u>	L11 and L1	124	<u>L16</u>
<u>L15</u>	L10 and L7	7	<u>L15</u>
<u>L14</u>	L10 and L1	13	<u>L14</u>
<u>L13</u>	L9 and L7	6	<u>L13</u>
<u>L12</u>	L9 and L1	10	<u>L12</u>
<u>L11</u>	709/219-228.ccls.	7491	<u>L11</u>
<u>L10</u>	715/513.ccls.	908	<u>L10</u>
<u>L9</u>	715/501.1.ccls.	603	<u>L9</u>
<u>L8</u>	L3 and context\$3	39	<u>L8</u>
<u>L7</u>	L1 and context	311	<u>L7</u>
<u>L6</u>	spell check\$3 same URL\$1 same address\$2	7	<u>L6</u>
<u>L5</u>	L1 and (spell check\$3 same URL\$1)	5	<u>L5</u>
<u>L4</u>	L1 and (alternate same address\$2 same URL\$1)	5	<u>L4</u>
<u>L3</u>	L1 and (alternate same address\$2)	65	<u>L3</u>
<u>L2</u>	L1 and (present\$6 same alternate same address\$2)	7	<u>L2</u>
<u>L1</u>	HTML and ((verify\$3 or verification) same address\$2)	573	<u>L1</u>

609/809,759

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 6598075 B1

Using default format because multiple data bases are involved.

L4: Entry 1 of 5

File: USPT

Jul 22, 2003

US-PAT-NO: 6598075

DOCUMENT-IDENTIFIER: US 6598075 B1

TITLE: Method and system for using multiple networks to provide a presentation

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ogdon; Robert H.	Littleton	CO		
Johnson; Frank E.	Aurora	IL		

US-CL-CURRENT: [709/204](#); [345/753](#), [709/227](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequence</a>	<a href="#">Claims</a>	<a href="#">KVMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 2. Document ID: US 6584507 B1

L4: Entry 2 of 5

File: USPT

Jun 24, 2003

US-PAT-NO: 6584507

DOCUMENT-IDENTIFIER: US 6584507 B1

TITLE: Linking external applications to a network management system

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequence</a>	<a href="#">Claims</a>	<a href="#">KVMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 3. Document ID: US 6151624 A

L4: Entry 3 of 5

File: USPT

Nov 21, 2000

US-PAT-NO: 6151624

DOCUMENT-IDENTIFIER: US 6151624 A

TITLE: Navigating network resources based on metadata

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequence</a>	<a href="#">Claims</a>	<a href="#">KVMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 4. Document ID: US 6058381 A

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L4: Entry 4 of 5

File: USPT

May 2, 2000

US-PAT-NO: 6058381

DOCUMENT-IDENTIFIER: US 6058381 A

TITLE: Many-to-many payments system for network content materials

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5745360 A

L4: Entry 5 of 5

File: USPT

Apr 28, 1998

US-PAT-NO: 5745360

DOCUMENT-IDENTIFIER: US 5745360 A

TITLE: Dynamic hypertext link converter system and process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Terms	Documents
L1 and (alternate same address\$2 same URL\$1)	5

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# Hit List

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 6678717 B1

Using default format because multiple data bases are involved.

L5: Entry 1 of 5

File: USPT

Jan 13, 2004

US-PAT-NO: 6678717

DOCUMENT-IDENTIFIER: US 6678717 B1

TITLE: Method, product, and apparatus for requesting a network resource

DATE-ISSUED: January 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schneider; Eric	University Heights	OH	44118	

US-CL-CURRENT: 709/203; 709/217, 709/219

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 6532401 B2

L5: Entry 2 of 5

File: USPT

Mar 11, 2003

US-PAT-NO: 6532401

DOCUMENT-IDENTIFIER: US 6532401 B2

TITLE: Methods for automatically verifying the performance of a virtual robot

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 6421675 B1

L5: Entry 3 of 5

File: USPT

Jul 16, 2002

US-PAT-NO: 6421675

DOCUMENT-IDENTIFIER: US 6421675 B1

TITLE: Search engine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 4. Document ID: US 6338082 B1

L5: Entry 4 of 5

File: USPT

Jan 8, 2002

h e b b g e e f e f e b e

US-PAT-NO: 6338082

DOCUMENT-IDENTIFIER: US 6338082 B1

TITLE: Method, product, and apparatus for requesting a network resource

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract	Claims	KVMC	Draw Desc	Image
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☐ 5. Document ID: US 6259969 B1

L5: Entry 5 of 5

File: USPT

Jul 10, 2001

US-PAT-NO: 6259969

DOCUMENT-IDENTIFIER: US 6259969 B1

TITLE: System and method for automatically verifying the performance of a virtual robot

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract	Claims	KVMC	Draw Desc	Image
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Terms

Documents

L1 and (spell check\$3 same URL\$1)

5

Display Format:

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[Previous Page](#)[Next Page](#)[Go to Doc#](#)

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## Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 6760746 B1

Using default format because multiple data bases are involved.

L6: Entry 1 of 7

File: USPT

Jul 6, 2004

US-PAT-NO: 6760746

DOCUMENT-IDENTIFIER: US 6760746 B1

TITLE: Method, product, and apparatus for processing a data request

DATE-ISSUED: July 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schneider, Eric	University Hts.	OH	44118	

US-CL-CURRENT: 709/203; 709/217

Full	Title	Citation	Front	Review	Classification	Date	Reference	Search	Classification	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 6332158 B1

L6: Entry 2 of 7

File: USPT

Dec 18, 2001

US-PAT-NO: 6332158

DOCUMENT-IDENTIFIER: US 6332158 B1

TITLE: Domain name system lookup allowing intelligent correction of searches and presentation of auxiliary information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Search	Classification	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 5907680 A

L6: Entry 3 of 7

File: USPT

May 25, 1999

US-PAT-NO: 5907680

DOCUMENT-IDENTIFIER: US 5907680 A

TITLE: Client-side, server-side and collaborative spell check of URL's

Full	Title	Citation	Front	Review	Classification	Date	Reference	Search	Classification	Claims	KMC	Draw Desc	Image
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☐ 4. Document ID: US 5892919 A

L6: Entry 4 of 7

File: USPT

Apr 6, 1999

h e b b g e e f e f e b e

US-PAT-NO: 5892919

DOCUMENT-IDENTIFIER: US 5892919 A

TITLE: Spell checking universal resource locator (URL) by comparing the URL against a cache containing entries relating incorrect URLs submitted by users to corresponding correct URLs

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Summary	Claims	KWC	Draw Desc	Image
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☐ 5. Document ID: JP 10063597 A

L6: Entry 5 of 7

File: JPAB

Mar 6, 1998

PUB-NO: JP410063597A

DOCUMENT-IDENTIFIER: JP 10063597 A

TITLE: SPELL CHECK FOR URL EXECUTED BY CLIENT SIDE, SERVER SIDE AND COOPERATING SIDE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Summary	Claims	KWC	Draw Desc	Clip Img	Image
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☐ 6. Document ID: EP 817099 A2

L6: Entry 6 of 7

File: EPAB

Jan 7, 1998

PUB-NO: EP000817099A2

DOCUMENT-IDENTIFIER: EP 817099 A2

TITLE: Client-side, Server-side and collaborative spell check of URL's

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Summary	Claims	KWC	Draw Desc	Clip Img	Image
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☐ 7. Document ID: US 5892919 A

L6: Entry 7 of 7

File: DWPI

Apr 6, 1999

DERWENT-ACC-NO: 1999-262776

DERWENT-WEEK: 199922

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Network address checking apparatus for retrieval of information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Summary	Claims	KWC	Draw Desc	Image
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Terms

Documents

spell check\$3 same URL\$1 same address\$2

7

Display Format: [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)



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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 6629135 B1

Using default format because multiple data bases are involved.

L13: Entry 1 of 6

File: USPT

Sep 30, 2003

US-PAT-NO: 6629135

DOCUMENT-IDENTIFIER: US 6629135 B1

TITLE: Affiliate commerce system and method

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ross, Jr.; D. Delano	Alpharetta	GA		
Ross; Daniel D.	Dunwoody	GA		
Michaels; Joseph R.	Marietta	GA		
May; William R.	Atlanta	GA		
Anderson; Richard A.	Powder Springs	GA		

US-CL-CURRENT: [709/218](#); [345/744](#), [715/501.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 6615238 B1

L13: Entry 2 of 6

File: USPT

Sep 2, 2003

US-PAT-NO: 6615238

DOCUMENT-IDENTIFIER: US 6615238 B1

TITLE: Evolving interactive dialog box for an internet web page

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 6421675 B1

L13: Entry 3 of 6

File: USPT

Jul 16, 2002

US-PAT-NO: 6421675

DOCUMENT-IDENTIFIER: US 6421675 B1

TITLE: Search engine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 4. Document ID: US 6297819 B1

L13: Entry 4 of 6

File: USPT

Oct 2, 2001

US-PAT-NO: 6297819

DOCUMENT-IDENTIFIER: US 6297819 B1

TITLE: Parallel web sites

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 5. Document ID: US 6247020 B1

L13: Entry 5 of 6

File: USPT

Jun 12, 2001

US-PAT-NO: 6247020

DOCUMENT-IDENTIFIER: US 6247020 B1

TITLE: Development system with application browser user interface

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 6. Document ID: US 5754939 A

L13: Entry 6 of 6

File: USPT

May 19, 1998

US-PAT-NO: 5754939

DOCUMENT-IDENTIFIER: US 5754939 A

TITLE: System for generation of user profiles for a system for customized electronic identification of desirable objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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Terms	Documents
L9 and L7	6

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### 81 [Computing curricula 2001](#)

 September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB)

html(2.78 KB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 82 [Deriving traffic demands for operational IP networks: methodology and experience](#)

 Anja Feldmann, Albert Greenberg, Carsten Lund, Nick Reingold, Jennifer Rexford, Fred True  
 June 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 3

Full text available: pdf(212.92 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Engineering a large IP backbone network without an accurate network-wide view of the traffic demands is challenging. Shifts in user behavior, changes in routing policies, and failures of network elements can result in significant (and sudden) fluctuations in load. In this paper, we present a model of traffic demands to support traffic engineering and performance debugging of large Internet Service Provider networks. By defining a traffic demand as a volume of load originating from an ingress ...

**Keywords:** Internet, measurement, routing, traffic engineering

### 83 [Structured management of role-permission relationships](#)

Najam Perwaiz

 May 2001 **Proceedings of the sixth ACM symposium on Access control models and technologies**

Full text available: pdf(172.93 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a structured approach to managing Role-permission relationships for implementing RBAC in large decentralized organizations. The paper begins by outlining the rationale behind this design followed by the description of its two main features. We show how the use of logical objectives (as opposed to physical objects) as targets of permissions can improve ease of use and accuracy of the administration process. We also describe a mechanism for viewing role-permission relationships ...

### 84 [Secure virtual enclaves: Supporting coalition use of distributed application technologies](#)

 May 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Issue 2

Full text available:  [pdf\(462.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)


The Secure Virtual Enclaves (SVE) collaboration infrastructure allows multiple organizations to share their distributed application objects, while respecting organizational autonomy over local resources. The infrastructure is transparent to applications, which may be accessed via a web server, or may be based on Java or Microsoft's DCOM. The SVE infrastructure is implemented in middleware, with no modifications to COTS operating systems or network protocols. The system enables dynamic updates to ...

**Keywords:** Access control, coalition, collaborative system, group communication, middleware, security policy

## 85 Building E-commerce applications from object-oriented conceptual models

Oscar Pastor, Silvia Abrahão, Joan Fons

March 2001 **ACM SIGecom Exchanges**, Volume 2 Issue 2

Full text available:  [pdf\(84.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


This paper introduces an extension to UML that takes care of web page navigation using the OO-Method, dynamic prototyping, and a new way of specifying the navigation design. Furthermore, a software production process for e-commerce applications design is described. This process is driven by an Object-Oriented Web-Solutions Modeling approach (OOWS), which provides mechanisms to deal with the development of web-based applications. In the proposed process, a system is completely specified using obj ...

**Keywords:** conceptual modeling, e-commerce, object-oriented

## 86 A guided tour to approximate string matching

Gonzalo Navarro

March 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 1

Full text available:  [pdf\(1.19 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


We survey the current techniques to cope with the problem of string matching that allows errors. This is becoming a more and more relevant issue for many fast growing areas such as information retrieval and computational biology. We focus on online searching and mostly on edit distance, explaining the problem and its relevance, its statistical behavior, its history and current developments, and the central ideas of the algorithms and their complexities. We present a number of experiments to ...

**Keywords:** Levenshtein distance, edit distance, online string matching, text searching allowing errors

## 87 Managing change on the web

Luis Francisco-Revilla, Frank Shipman, Richard Furuta, Unmil Karadkar, Avital Arora

January 2001 **Proceedings of the first ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  [pdf\(274.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Increasingly, digital libraries are being defined that collect pointers to World-Wide Web based resources rather than hold the resources themselves. Maintaining these collections is challenging due to distributed document ownership and high fluidity. Typically a collections maintainer has to assess the relevance of changes with little system aid. In this paper, we describe the Waldens Paths Path Manager, which assists a maintainer in discovering when relevant changes occur to linked resour ...

**Keywords:** Walden's path, path maintenance

88 Processor verification using efficient reductions of the logic of uninterpreted functions to propositional logic

Randal E. Bryant, Steven German, Miroslav N. Velev

January 2001 **ACM Transactions on Computational Logic (TOCL)**, Volume 2 Issue 1

Full text available:  pdf(319.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


The logic of Equality with Uninterpreted Functions (EUF) provides a means of abstracting the manipulation of data by a processor when verifying the correctness of its control logic. By reducing formulas in this logic to propositional formulas, we can apply Boolean methods such as ordered Binary Decision Diagrams (BDDs) and Boolean satisfiability checkers to perform the verification. We can exploit characteristics of the formulas describing the verification conditions to greatly simplify the ...

**Keywords:** decision procedures, processor verification, uninterpreted functions

89 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4


Full text available:  pdf(207.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile professionals require access to documents and document-related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face-to-face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

90 Model-driven development of Web applications: the AutoWeb system

Piero Fraternali, Paolo Paolini

October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Full text available:  pdf(6.94 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

**Keywords:** HTML, WWW, application, development, intranet, modeling

91 Formal modeling of active network nodes using PVS

Cindy Kong, P. Alexander, Darryl Dieckman

August 2000 **Proceedings of the third workshop on Formal methods in software practice**

Full text available:  pdf(440.28 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Active Networks are a new type of networks where all elements are programmable. Active packets can contain fragments of code to be executed on intermediate nodes they pass through. Active nodes provide the necessary environment and resources for the packets to be processed. In giving the users the capability to program the network as they desire, there is an issue of security risks. This paper presents a formal model for an active node

that can be used to specify and verify the correct operation ...

## 92 Mechanizing UNITY in Isabelle

Lawrence C. Paulson

July 2000 **ACM Transactions on Computational Logic (TOCL)**, Volume 1 Issue 1

Full text available:  pdf(236.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

UNITY is an abstract formalism for proving properties of concurrent systems, which typically are expressed using guarded assignments [Chandy and Misra 1988]. UNITY has been mechanized in higher-order logic using Isabelle, a proof assistant. Safety and progress primitives, their weak forms (for the substitution axiom), and the program composition operator (union) have been formalized. To give a feel for the concrete syntax, this article presents a few extracts from the Isabelle definitions a ...

**Keywords:** Isabelle, UNITY, compositional reasoning, concurrency

## 93 Spoken-word direction of computer program synthesis

Alvin J. Surkan

June 2000 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL-Berlin-2000 conference**, Volume 30 Issue 4

Full text available:  pdf(703.39 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Prototype software is being designed to orchestrate speech-directed synthesis of customizable computer programs. The problems encountered are considered from a perspective that assumes the notation, syntax and function structure of APL. Program synthesis is to be completed with spoken-word dialogs between humans and computers. The computer is to assist in constructing programs with minimal or zero need for mechanical contact between mobile users and computer hardware. During synthesis, th ...

**Keywords:** chatting in context, computer program synthesis, constructive composition of functional programs, human-computer interface, incremental verbal software specification, spoken computer commands, talking with computers, voice computing, voice-directed programming

## 94 Exploiting parallelism in a network of workstations using COMA-BC

Benjamín Sahelices Fernández, Diego R. Llanos Ferraris, Agustín de Dios Hernández

June 2000 **ACM SIGARCH Computer Architecture News**, Volume 28 Issue 3

Full text available:  pdf(718.48 KB)


Additional Information: [full citation](#), [abstract](#), [index terms](#)

In this paper we put forward a design for a multicomputer system based on a network of workstations which we call COMA-BC. It has a common address space in which a shared variables programming model can be used. The management of the shared address space is performed in a similar way to that in existing multiprocessor COMA systems. To be exact, the shared address space is divided into blocks, and their copies reside in the attraction memories of the workstations. The key piece in this system is t ...

## 95 Requirements engineering: a roadmap

Bashar Nuseibeh, Steve Easterbrook

May 2000 **Proceedings of the conference on The future of Software engineering**

Full text available:  pdf(1.30 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 96 Software engineering: a roadmap

Anthony Finkelstein, Jeff Kramer

May 2000 **Proceedings of the conference on The future of Software engineering**

Full text available:  pdf(160.70 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** discipline, future, research, software engineering, strategy

### 97 A generic model for reflective design

Panagiotis Louridas, Pericles Loucopoulos

April 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,  
Volume 9 Issue 2

Full text available:  pdf(304.45 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#),  
[review](#)

Rapid technological change has had an impact on the nature of software. This has led to new exigencies and to demands for software engineering paradigms that pay particular attention to meeting them. We advocate that such demands can be met, at least in large parts, through the adoption of software engineering processes that are founded on a reflective stance. To this end, we turn our attention to the field of Design Rationale. We analyze and characterize Design Rationale approaches and s ...

**Keywords:** design aids, design rationale, development, participative, reflective

### 98 Web-based network analysis and design

Dhananjai Madhava Rao, Radharamanan Radhakrishnan, Philip A. Wilsey

January 2000 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**,  
Volume 10 Issue 1

Full text available:  pdf(186.37 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The gradual acceptance of high-performance networks as a fundamental component of today's computing environment has allowed applications to evolve from static entities located on specific hosts to dynamic, distributed entities that are resident on one or more hosts. In addition, vital components of software and data used by an application may be distributed across the local/wide area network. Given such a fluid and dynamic environment, the design and analysis of high-performance communicat ...

**Keywords:** Web-based design and analysis, computer networks, formal specification and verification, parallel discrete event simulation

### 99 Toward a design environment for recovering and maintaining the structure of software systems

Spiros Mancoridis


January 2000 **ACM SIGSOFT Software Engineering Notes**, Volume 25 Issue 1

Full text available:  pdf(254.32 KB) Additional Information: [full citation](#), [index terms](#)

### 100 Design and implementation of a distributed virtual machine for networked computers

Emin Gün Sirer, Robert Grimm, Arthur J. Gregory, Brian N. Bershad

December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles**, Volume  
33 Issue 5

Full text available:  pdf(1.62 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the motivation, architecture and performance of a distributed virtual machine (DVM) for networked computers. DVMs rely on a distributed service architecture to meet the manageability, security and uniformity requirements of large, heterogeneous

clusters of networked computers. In a DVM, system services, such as verification, security enforcement, compilation and optimization, are factored out of clients and located on powerful network servers. This partitioning of system fun ...

Results 81 - 100 of 200

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